

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048308.D
 Acq On : 22 Oct 2025 18:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:58:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	165808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	262018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	162404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	79762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	98371	42.315	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.620%		
35) Dibromofluoromethane	5.373	113	77200	43.158	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.320%		
50) Toluene-d8	8.635	98	306881	48.945	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.900%		
62) 4-Bromofluorobenzene	11.061	95	79463	33.314	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	66.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	66177	38.824	ug/l	97
3) Chloromethane	1.301	50	37608	23.638	ug/l	95
4) Vinyl Chloride	1.380	62	91377	62.022	ug/l	100
5) Bromomethane	1.612	94	32351	32.356	ug/l	97
6) Chloroethane	1.697	64	56587	65.362	ug/l	94
7) Trichlorofluoromethane	1.898	101	146591	51.880	ug/l	99
8) Diethyl Ether	2.136	74	53679	67.517	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	60114	33.597	ug/l	94
10) Methyl Iodide	2.459	142	181583	80.726	ug/l	99
11) Tert butyl alcohol	2.941	59	32336	140.093	ug/l	99
12) 1,1-Dichloroethene	2.325	96	62980	36.180	ug/l	92
13) Acrolein	2.233	56	74306	315.647	ug/l	99
14) Allyl chloride	2.666	41	79895	27.644	ug/l	91
15) Acrylonitrile	3.056	53	114921	138.075	ug/l	100
16) Acetone	2.374	43	95807	120.131	ug/l	98
17) Carbon Disulfide	2.514	76	139872	25.495	ug/l	98
18) Methyl Acetate	2.697	43	59506	35.728	ug/l	94
19) Methyl tert-butyl Ether	3.105	73	185328	31.207	ug/l	96
20) Methylene Chloride	2.788	84	57361	29.518	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	57282	29.957	ug/l	97
22) Diisopropyl ether	3.751	45	291884	50.635	ug/l	96
23) Vinyl Acetate	3.715	43	1110692	241.211	ug/l	97
24) 1,1-Dichloroethane	3.605	63	110925	31.824	ug/l	99
25) 2-Butanone	4.538	43	228459	226.319	ug/l	97
26) 2,2-Dichloropropane	4.471	77	135695	43.131	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	109379	49.014	ug/l	96
28) Bromochloromethane	4.891	49	75080	51.950	ug/l	96
29) Tetrahydrofuran	4.989	42	151482	250.563	ug/l	98
30) Chloroform	5.080	83	171030	45.928	ug/l	99
31) Cyclohexane	5.458	56	143903	49.868	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	152924	44.558	ug/l	99
36) 1,1-Dichloropropene	5.678	75	115364	45.375	ug/l	99
37) Ethyl Acetate	4.702	43	115541	54.827	ug/l	95
38) Carbon Tetrachloride	5.666	117	127792	40.741	ug/l	95
39) Methylcyclohexane	7.367	83	142533	47.470	ug/l	94
40) Benzene	6.025	78	339549	46.000	ug/l	97

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41) Methacrylonitrile	4.904	41	56448	51.006	ug/l	97
42) 1,2-Dichloroethane	6.074	62	124472	45.697	ug/l	100
43) Isopropyl Acetate	6.324	43	179767	51.932	ug/l	97
44) Trichloroethene	7.111	130	92885	47.655	ug/l	95
45) 1,2-Dichloropropane	7.415	63	88398	50.369	ug/l	98
46) Dibromomethane	7.568	93	61658	45.095	ug/l	94
47) Bromodichloromethane	7.806	83	131135	44.420	ug/l	97
48) Methyl methacrylate	7.678	41	83930	48.050	ug/l	96
49) 1,4-Dioxane	7.641	88	20301	879.716	ug/l	91
51) 4-Methyl-2-Pentanone	8.555	43	516932	259.006	ug/l	97
52) Toluene	8.702	92	226635	48.329	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	123757	43.501	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	131492	42.840	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	67181	38.524	ug/l	99
56) Ethyl methacrylate	9.098	69	114708	44.971	ug/l	94
57) 1,3-Dichloropropane	9.293	76	94925	31.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	350352	255.410	ug/l	99
59) 2-Hexanone	9.415	43	211292	151.826	ug/l	95
60) Dibromochloromethane	9.507	129	69937	29.838	ug/l	98
61) 1,2-Dibromoethane	9.592	107	57700	31.036	ug/l	97
64) Tetrachloroethene	9.257	164	62003	51.141	ug/l	98
65) Chlorobenzene	10.061	112	164147	44.931	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	61612	45.916	ug/l	97
67) Ethyl Benzene	10.177	91	285001	45.820	ug/l	99
68) m/p-Xylenes	10.287	106	217045	93.917	ug/l	100
69) o-Xylene	10.622	106	103036	46.180	ug/l	100
70) Styrene	10.640	104	177742	46.785	ug/l	99
71) Bromoform	10.781	173	45139	42.089	ug/l #	97
73) Isopropylbenzene	10.945	105	280008	48.063	ug/l	99
74) N-amyl acetate	10.823	43	94223	45.596	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	70007	44.003	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	65667m	50.768	ug/l	
77) Bromobenzene	11.183	156	70363	48.168	ug/l	93
78) n-propylbenzene	11.287	91	322187	47.765	ug/l	98
79) 2-Chlorotoluene	11.348	91	192865	47.160	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	231776	48.075	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	17468	32.856	ug/l #	93
82) 4-Chlorotoluene	11.439	91	226624	46.681	ug/l	98
83) tert-Butylbenzene	11.695	119	228741	46.177	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	230093	47.822	ug/l	99
85) sec-Butylbenzene	11.872	105	273283	45.855	ug/l	99
86) p-Isopropyltoluene	11.988	119	240774	46.741	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	122488	44.479	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	125212	43.891	ug/l	99
89) n-Butylbenzene	12.311	91	209483	44.679	ug/l	99
90) Hexachloroethane	12.518	117	37811	37.170	ug/l	88
91) 1,2-Dichlorobenzene	12.317	146	117796	45.560	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	15163	46.953	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	81717	46.736	ug/l	100
94) Hexachlorobutadiene	13.707	225	32287	49.279	ug/l	97
95) Naphthalene	13.756	128	220659	47.634	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	75696	47.178	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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